- Energy and Flux of neutrinos from various sources.
  - The SUN ! below 0.5 MeV $10^{11} cm^{-2} s^{-1}$
    at $\sim$ 3-14 MeV $3 \times 10^{6} cm^{-2} s^{-1}$
  - Cosmic rays hitting the atmosphere
    at 1 GeV $\sim 5000 m^{-2} s^{-1}$
  - From radioactive decays in the Earth
    $10^{6} - 10^{7} cm^{-2} s^{-1} < 3$ MeV from U/Th decays.
  - SuperNova neutrinos. 11 were seen in 1987 in two large detectors.
  - Microwave background neutrinos. Very cold 2.7^{o} ! $300 cm^{-3}$
    Multiply by velocity to get flux.
  - Nuclear reactors. $10^{13} - 10^{15} cm^{-2} s^{-1}$ $\leq$5 MeV. Falls as $1/r^{2}$ with distance from reactor.
  - Accelerators. $5 \times 10^{-5}/m^{2}$ per proton (E$\sim$ 1 GeV) at 1 km.